

Work Order ID 82773

82773

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April 9, 2012 2:58:25 PM

Item ID: D3439-101

Accept

N9000040100

Setup Start

NS1

Revision ID:

Item Name: Mirror Assembly 8"

Stop

NS2

Start Date: 4/09/12 Start Qty: 50.00

50

Cust Item ID:

Required Date: 4/13/12 Req'd Qty: 50.00

50

Customer:

Reference:

Approvals: Process Plan:

Date: 12/04/09 Tooling:

Date:

Run Start

NR1

QC:

Date: SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D3439

Rev B

100

0.00

100

Purchasing

PURCHASING

Memo

0.00

Purchasing

Issue P/O:

For Grote Mirror P/N: 12183

Possible Supplier: UAP/NAPA

Material release note is required

CL 12/04/09 (50)

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

0.00

Packaging

Ensure Material Release Note is attached

SP
12-04-11

115

QC6- Inspect dimensions to drawing

0.00

115

QC

Memo

0.00

Quality Control

8/26/11

cuts
(108)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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April 9, 2012 2:58:25 PM

Item ID: D3439-101 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Mirror Assembly 8"
 Start Date: 4/09/12 Start Qty: 50.00 *50* Cust Item ID:
 Required Date: 4/13/12 Req'd Qty: 50.00 *50* Customer:
 Reference:

Approvals: Process Plan: Date: Tooling: Date: Run Start *NR1*
 QC: Date: SPC (Y/N): Date: Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	Small Fab	0.00							
120		0.00							
Small Fab	Memo 1- Discard Hardware. 2- Drill and Tap mirror as per Dwg using DT9670 , then install stud as per dwg. 3- Plug drain holes with Sikaflex. Ensure that mirror adheres to housing. Pick: Qty Part Number Description Batch A/RN/A Sikaflex-241/-291 12/27/09 M123025 Sikaflex expiry date 12/27/12 13/05/22								
130	QC5- Inspect part completeness to step on W/O	0.00							
130		0.00							
QC	Memo								
Quality Control	Smb 12.10.17								

8X

12/10/17

8

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 82773

82773

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April 9, 2012 2:58:25 PM

Item ID: D3439-101 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Mirror Assembly 8"
 Start Date: 4/09/12 Start Qty: 50.00 *50* Cust Item ID:
 Required Date: 4/13/12 Req'd Qty: 50.00 *50* Customer:
 Reference:

Approvals: Process Plan: Date: Tooling: Date: Run Start *NR1*
 QC: Date: SPC (Y/N): Date: Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140	Identify as per dwg & Stock Location	0.00							
140									
Packaging	Memo	0.00							
Packaging									
150	QC21- Final Inspection - Work Order Release	0.00							
150									
QC	Memo	0.00							
Quality Control									

Sx

12-10-17

12/10/17

12/10/17

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

April 9, 2012 2:58:25 PM

Page 1

Work Order ID: 82773

Parent Item: D3439-101

Parent Item Name: Mirror Assembly 8"

Start Date: 4/09/12

Required Date: 4/13/12

Start Qty: 50.00

Required Qty: 50.00

Comments: IPP A05.07.20New issueKJ/JLM
verf:ec

IPP Rev:B 10.09.08 per dwg RevB DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
12183 GROTE MIRROR		Purchased	No			120	Each	0.0000	1	50			
D3015-3 Locknut		Manufactured	No			120	Each	202.0000	1	50			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST023		202							
				78314		202							
D3439-3 Stud		Manufactured	No			120	Each	42.0000	1	50			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				GA		42							
				73802		2							
				77048		40							
NAS1149C0563R Washer		Purchased	No			120	Each	404.0000	1	50			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST296		200							
				120422		200							
				ST297		204							
				116391		4							
				117460		200							

SP 12-04-11
B2/10/17
B2/10/17
B83077 (8x)
B2/10/17

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

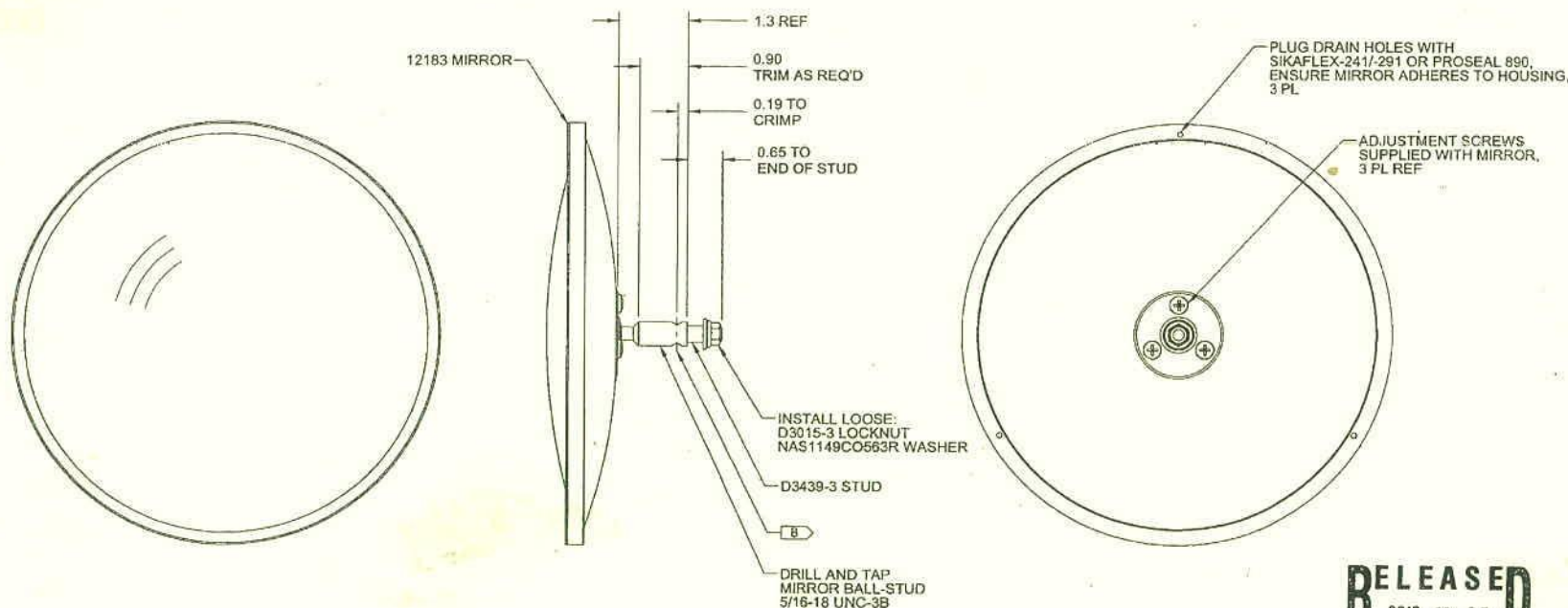
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

ITEM	QTY -101	P/N	DESCRIPTION
1	X	D3439-101	MIRROR ASSEMBLY, 8"
2	1	12183	MIRROR 8" (GROTE)
3	1	D3015-3	LOCKNUT
4	1	D3439-3	STUD
5	1	NAS1149CO563R	WASHER (OR AN960JD516)



D3439-101 MIRROR ASSEMBLY

NOTES:

1) MATERIAL: MIRROR= 8" ROUND CONVEX MIRROR W/ STAINLESS STEEL CASE
CENTER-MOUNT BALL-STUD W/ 1/4-20 X 1" DEEP FEMALE THREAD
GROTE INDUSTRIES, 2600 LANIER DRIVE, MADISON, INDIANA 47250

2) FINISH: NONE

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: N/A

6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3439-101" USING REMOVEABLE TAG

7) WEIGHT: 1.18 lbs

8) TO INSTALL D3439-3 STUD:

- APPLY LOCKTITE 262 TO THREADS BEING INSTALLED INTO MIRROR BALL-STUD
- THREAD D3439-3 STUD INTO MIRROR BALL-STUD
- CRIMP MIRROR BALL-STUD ON OPPOSING SIDES, 0.19 FROM END AS ILLUSTRATED USING TOOL DT8317
- CRIMP TO DEPTH OF 0.015-0.030 USING R0.125

212104109
W10! 82773

RELEASED
2010-09-07
ANN

B	REDRAW, ADD -3 (WAS PURCHASED/TRIMMED BOLT), RMV LPS	CP	10.07.20
A	NEW ISSUE	CP	05.05.27
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.07.20		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO.

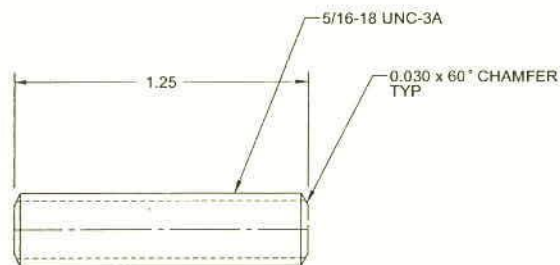
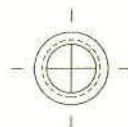
D3439

TITLE

MIRROR ASSEMBLY

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D3439-3 STUD

RELEASED
2010-09-07
MM

NOTES:

- 1) MATERIAL: AISI 303 STAINLESS STEEL ROUND BAR PER ASTM A582
REF DART SPEC M303R
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.03 lbs

DESIGN		DART AEROSPACE LTD	
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO. D3439	REV. B
MFG. APPR.	<i>[Signature]</i>		SHEET 2 OF 2
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	MIRROR ASSEMBLY	NTS
DATE	10.07.20	<small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL. NO REPRODUCTION OR DISSEMINATION OF THIS DOCUMENT IS PERMITTED WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.</small>	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO16663

Purchase Order Date 4/09/12

PO Print Date 4/09/12

Page Number 1 of 1

Order From :

VC-AUT001

AUTO PARTS EXTRA
1000 RUE LANSDOWNE
HAWKESBURY, ON K6A 1H7
CA

Contact Name

Vendor Phone

613 632 1191

Vendor Fax

613 632 2350

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAXED
4/12/12

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	12183	GROTE MIRROR	4/12/12 Yes	50.00 Each	Yours ppd	\$21.4900	\$1,074.5

Special Inst: AS PER DWG D3439 REV. B
B82773
P/N: GROTE 12183

PO Total:

\$1,074.5

Change Nbr:

4

Change Date: 4/09/12

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Benson

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TRUCK PARTS • PIÈCES DE CAMION
PERFORMANCE PARTS • PIÈCES DE PERFORMANCE
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C-11089

Part due accounts bear 2% interest per month (24% per annum). If this account is placed with a 3rd party collection, an administrative cost of 25% will be added. All exchanges and refund claims must be accompanied by this invoice. Electrical parts not returnable. All parts returned are subject to 20% handling charge. All merchandise sold on this invoice remains the vendor's property until this invoice is paid in full.
TERMS: Payment due on 10th day of the following month

Aucun remboursement sans cette facture. Nel 30 jours, 2% de frais d'intérêt par mois (24% par année) sur compte en souffrance. 20% de frais de manipulation sur toute marchandise retournée. Clause pénale une indemnité de 25% sera chargée sur compte sujet à des procédures légales. Les marchandises mentionnées sur cette facture demeurent la propriété du vendeur tant qu'elles ne seront pas entièrement payées. Pièces électriques non-retournable.
TERMES: Compte payable le 10 du mois suivant.

SIGNATURE _____

TVQ: 1016330716 TQ0001 — HST / TPS: 10035 3366 RT0001

*Thank
You*

1000 RUE LANDSDOWNE HAWKESBURY, ON K6A 1H7
TEL: (613)632-1191 FAX: (613)632-2350

Merci

WE THANK YOU FOR YOUR BUSINESS

113336 (613)632-5200
S V BART AEROSPACE LTD.
2270 AUBURN STREET
T O A HAWKESBURY ON K6A 1K7

EXP
SHIP
PIE
DIER
TO A

113336

SAME

011
DATE: 4/11/12
07:43
112 ALP

PO:
16663

ORD / COM	SHIP / EXP	CODE	PART No / PIÈCES	DESCRIPTION	LIST / CHACUN	COST / COÛTANT	EXTENSION
17	17	088>	12183	8" CONVEX - STAINL	39.42	21.49	365.33
25	25	088>	12183	BOV: UNI			
8	8	088>	12183	8" CONVEX - STAINL	39.42	21.49	537.25
				BOV: UNI			
				8" CONVEX - STAINL	39.42	21.49	171.92
				BOV: 030			
				PIECES/CORE TOT			
				242			
	50		SHIP VIA				

VERSUS BUSINESS FORMS (CORNWALL) (613) 936-1852

